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Freedman et al.(10) **Pub. No.: US 2018/0304163 A1**(43) **Pub. Date: Oct. 25, 2018**(54) **MOTION SIMULATION AMUSEMENT PARK
ATTRACTION**(52) **U.S. Cl.**CPC *A63G 31/16* (2013.01); *G06T 19/006*
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25, 2017.**Publication Classification**(51) **Int. Cl.***A63G 31/16* (2006.01)
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G06T 19/00 (2006.01)(57) **ABSTRACT**

A motion simulator ride assembly includes a motion base and a rider support assembly positioned beneath and coupled to the motion base. The rider support assembly includes a plurality of rider support units, each rider support unit of the one or more rider support units having an inversion table having a surface that may abut a rider. The inversion table may rotate about an axis to transition between a loading configuration and a ride configuration and the ride configuration positions the rider in a substantially facedown position. Each rider support unit also includes a restraint system that may secure the rider onto the inversion table. The restraint system includes a first moveable restraint and a second moveable restraint that are each coupled to the inversion table and the first and second moveable restraints may move relative to the surface to move the first and second movable restraints from an unrestrained configuration to a restrained configuration. The motion simulator ride assembly also includes a display screen that may project a simulated environment. The display screen is positioned below the motion base.

